

mini-beep

C. F. STRUCK CORPORATION • CEDARBURG, WISCONSIN 53012



PRICE 50¢

mini-beep...



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The most exciting new garden tractor-utility vehicle to come along in years. With its powerful four-wheel drive and highly-maneuverable center-hinge steering, the Mini-Beep offers compact travel fun in easy-to-assemble kit form.



C. F. STRUCK CORPORATION

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We appreciate . . .

your interest in our unique new lawn-garden-recreation tractor — the Mini-Beep.

Patterned after the famous World War II utility vehicle, the Mini-Beep is, in itself, a full-sized machine. Its massive four-wheel drive traction handles all lawn care tools with ease, while the twin tranaxles make the Beep a practical, lightweight cross-country vehicle.

With front and back sections joined in the center by a single pin, articulating steering gives you directional control and accuracy unmatched by *any* front steering tractor. Bronze Oilite bearings used in the steering mechanism and other low speed shafts and wheels insure metered, memory-type lubrication for years of trouble-free service and driving comfort. All high speed shafts and transmissions use pre-lubricated and sealed ball and roller bearings.

Engine power is transmitted to all four wide-tread wheels by means of a single main drive belt. It is manufactured expressly to our specifications to give the ultimate life possible.

Lawn care, general utility and recreational uses of the Mini-Beep are unlimited. If you have any additional questions about its operation, assembly or usefulness after examining this catalog, I will be happy to hear from you.

Sincerely yours,

Charles F. Struck
C. F. STRUCK CORPORATION



LAWN-MOWING

With the rugged lawn-mowing attachment out in front, the Mini-Beep lets you manicure your lawn in time-saving comfort. Its 7½-inch wide tread on all four tires simply floats over grass, protecting it even when soft or wet. The Beep's articulating steering and quick response to turns give you exceptional mowing maneuverability.

The free-floating mower is supported by two large terrain-sensing caster wheels in front and two in back. It is attached only by two arms extending out from the Beep so you have, in effect, a "push-type" mower with all its inherent advantages of pinpoint accuracy and control. Since the mower is specifically not an integral part of the Beep, and rides on casters, it can rise, fall and twist in following lawn contours independent of Beep movements. This built-in non-scalping feature protects your lawn and the mower blades.

The mower is powered by direct-drive belts from the engine with all clutch and brake mechanisms controlled from the Beep itself. Mower blades can be stopped with an easily-accessible control handle from the operator's seat even if you leave the engine running. The engine operates the mower blades only when and as you say.





LAWN-MAINTENANCE

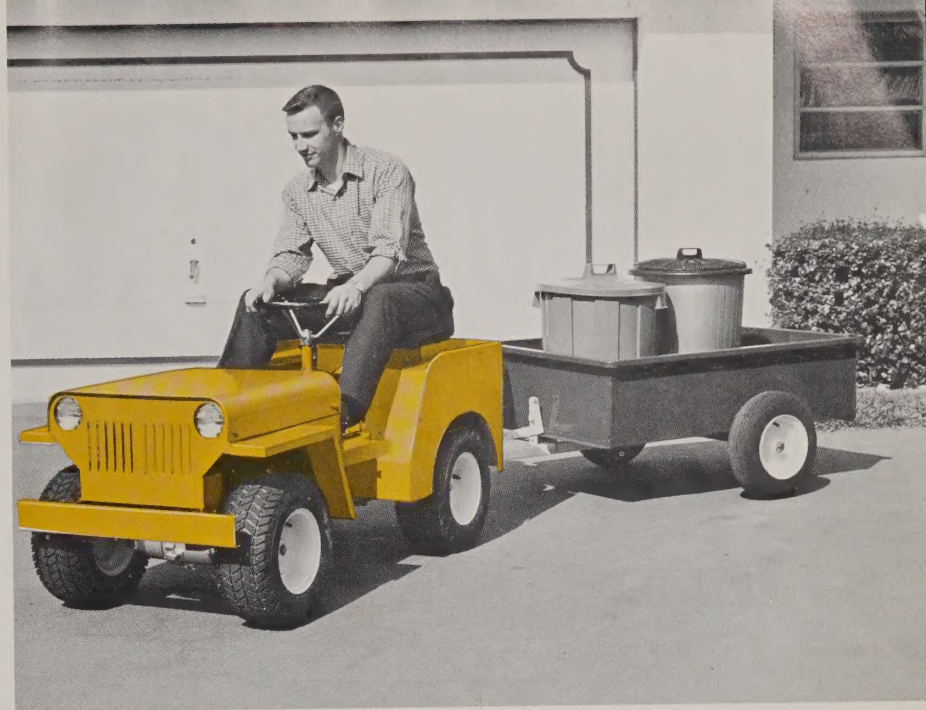
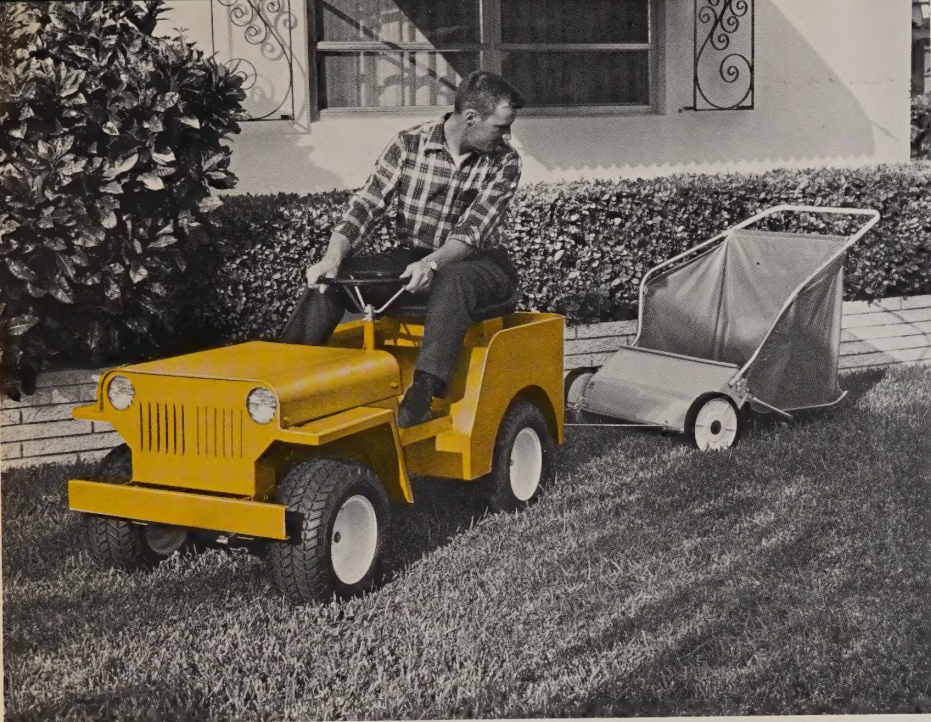
As a sophisticated, yet general purpose work vehicle, the Mini-Beep is unequalled for lawn care and odd job performance around home and farm. It has been especially engineered as a "comfort machine". Since it's so easy to steer and operate, you can run it for hours without fatigue.

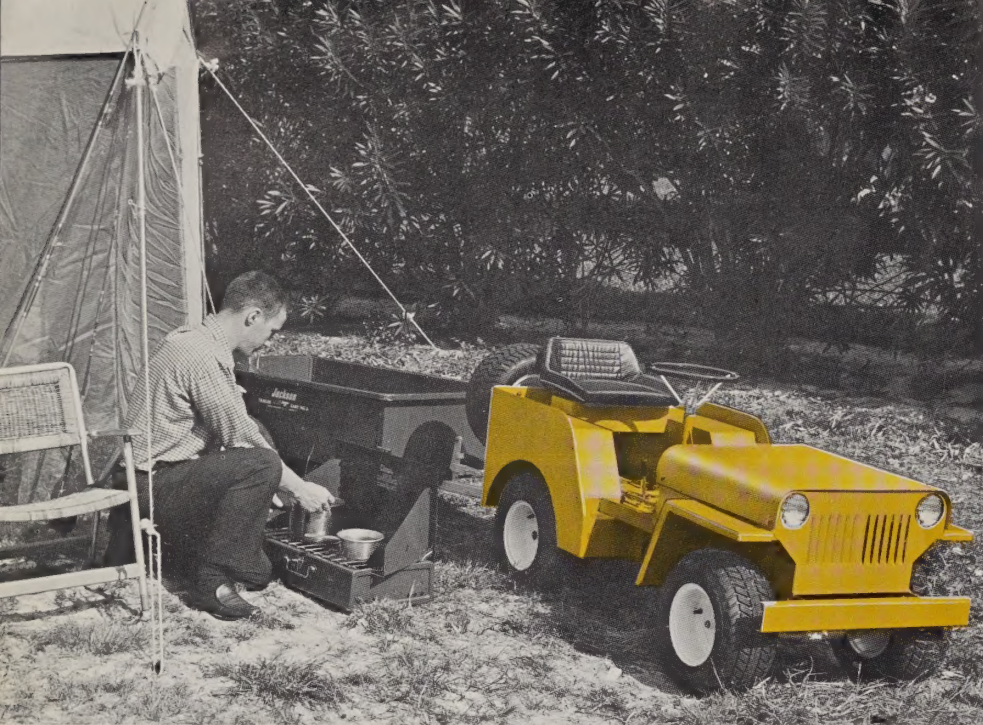
The massive $7\frac{1}{2}$ -inch wide tread on all four tires gives you the greatest possible amount of rubber on the ground for maximum traction. In 4-wheel drive, the Beep's ability to keep going under wet, slippery conditions is unsurpassed. When two tires don't give enough push (and it happens often), you can call on a complete "second tractor up front" to double the pulling power. Even if your lawn is a little wet, the 4-wheel drive will handle a heavy roller with ease. Yet, the distribution of driving force among all four wheels protects your grass completely.

The Mini-Beep, with its single-pin drawbar attachment, is primarily non-ground-engaging. It functions perfectly with all the attachments shown in this catalog and many more. In the light-duty dozing operation pictured, a conveniently-located lift handle allows the operator to shift blade position at any time even while the unit is in motion.

The Mini-Beep is a true pleasure to operate. You glide through lawn work quickly and enjoy it at the same time. To get equal traction elsewhere would cost at least \$2000. And, it's the only full 4-wheel drive garden tractor manufactured today.







RECREATION

The Mini-Beep shines most when used as a small car. Any automotive function gives you the feel of rugged strength in this quality vehicle. It confidently eases through swamps and marshy lands. And, its similarity to the famous World War II utility vehicle is in more than just appearance. The Beep is built for years of trouble-free service.

As a companion for hunting, fishing or backwoods camping, the Beep is ideal. For example, you might tote the Beep behind your car on a trailer as far as possible by highway. Then, by driving the Beep off the trailer, hooking the trailer to the Beep and loading it with supplies, you're ready to continue cross country as far as you want. With the spacious trailer carrying extra tents and supplies, you can go further or stay longer. If desired, one or two people can even ride in the trailer.

There's no problem about getting stranded if something happens to a transmission while you're away from civilization. Just shift to the other one and keep on going. The Beep functions perfectly even if one transmission is non-operational.

A more sophisticated use for the Mini-Beep than as a backwoods travelling companion is its appearance on the golf course. With the optional electric starting package it is extremely easy to operate, and its tires are the identical size to those on conventional golf carts. A convenient side bracket will hold bag and clubs for easy access. Check with the factory if you're interested in an optional low-tone muffler for quieter operation. As a recreational vehicle, the Mini-Beep can't be equalled. Its versatility is limited only by your imagination.

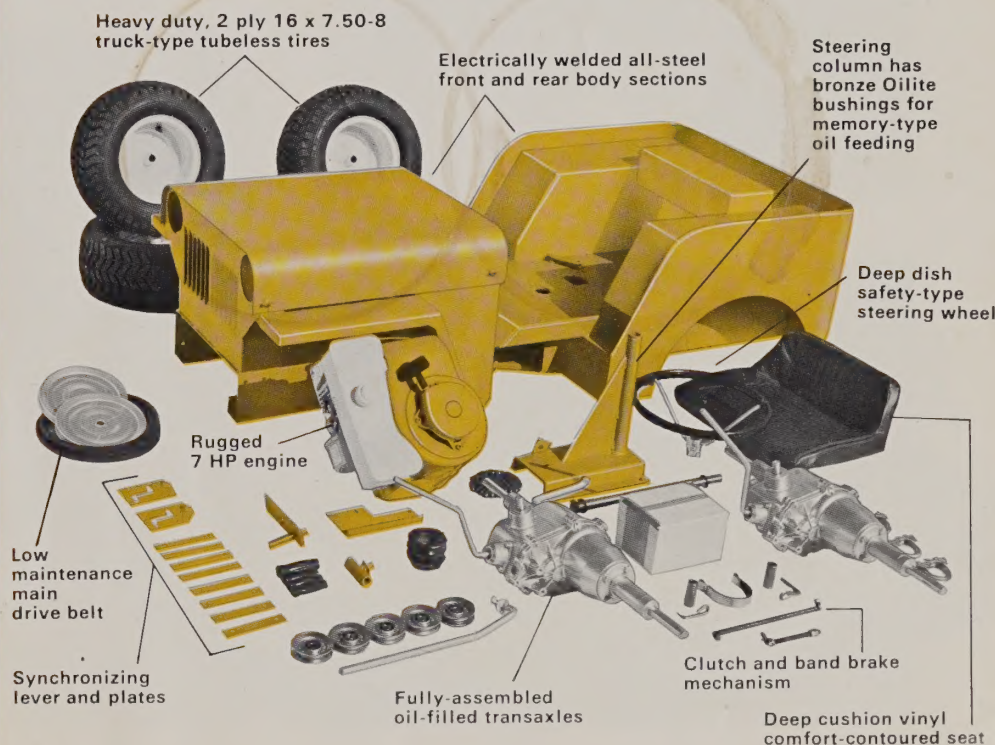
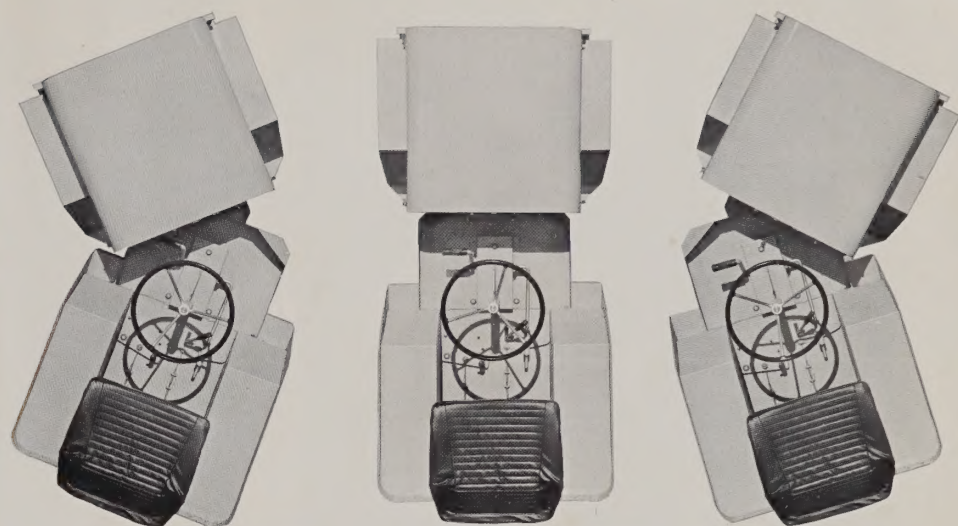


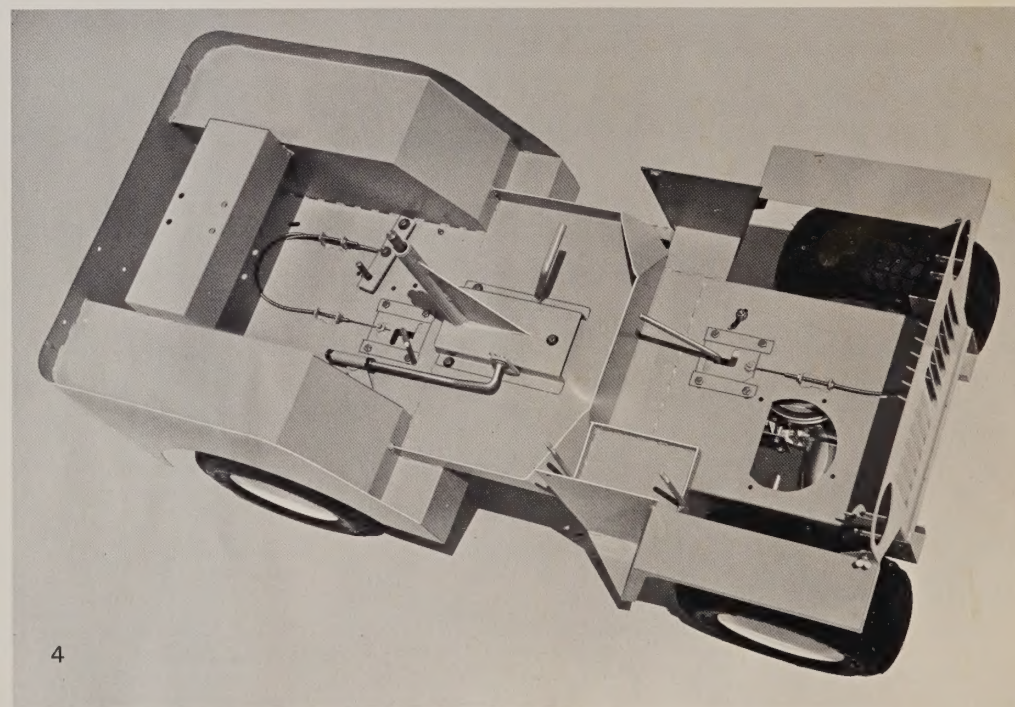
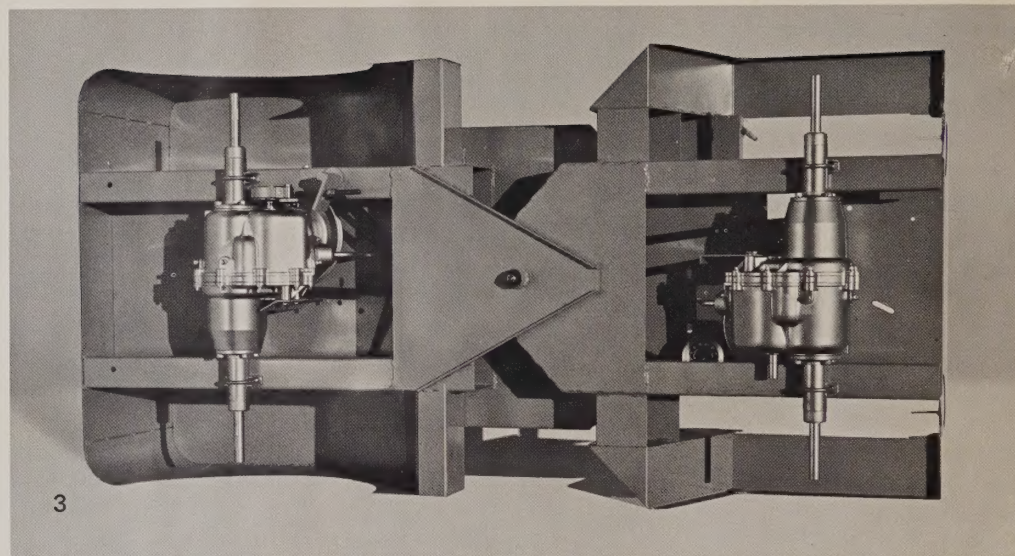
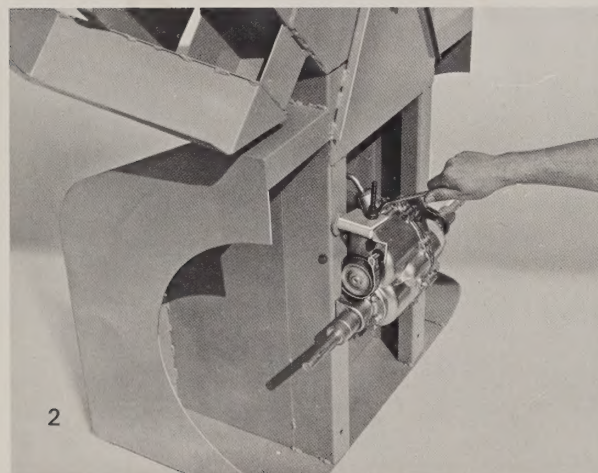
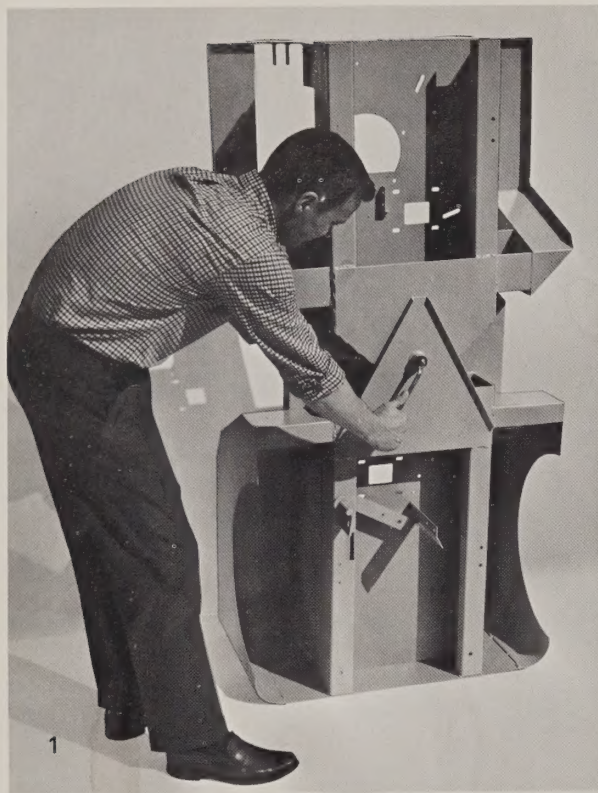
OPERATION

Key to the successful operation of the Mini-Beep is its articulating or "center-hinge" steering. Since front and back sections are joined in the center by a single pin, they're able to create your turn even before you start rolling. Just turn the wheel with the machine at rest and the Beep "swivel-hips" into a 45° turn standing still! This extreme maneuverability is essential for rolling, seeding and other lawn care operations up close to buildings, fences, shrubs, trees, etc. With the free-floating mower out in front of the Beep, you practically eliminate all hand trimming.

The drive train consists of two complete, oil-filled transaxles linked to a powerful 7 HP engine by a single heavy duty belt. Steering is accomplished with a conventional deep-dish steering wheel. The only foot control is a combination clutch and brake pedal. You simply press the clutch half-way to declutch for shifting, or all the way down to where the powerful band brake takes hold to stop the vehicle. In two wheel drive, the engaged transmission shifts independently; the other just rides free when not working. A unique lockout device on each transmission allows only properly-mated gears to be used when going into four wheel drive. It's impossible to shift into opposing gears and pull the Beep apart. And, due to the synchronization of the two transaxles, you are able to shift from two to four wheel drive "on the go".

Shifting gears in the Mini-Beep is a simple, two-step operation. In most tractors, due to their single transmission, you just put in the clutch and shift. To control the massive, four wheel drive traction of the Beep, however, you must first select the gear desired, then shift into it using either two or four wheel drive. With three speeds forward, one reverse and two transmissions to select from, you'll thoroughly enjoy the fun of deciding what power combination will do each job best.





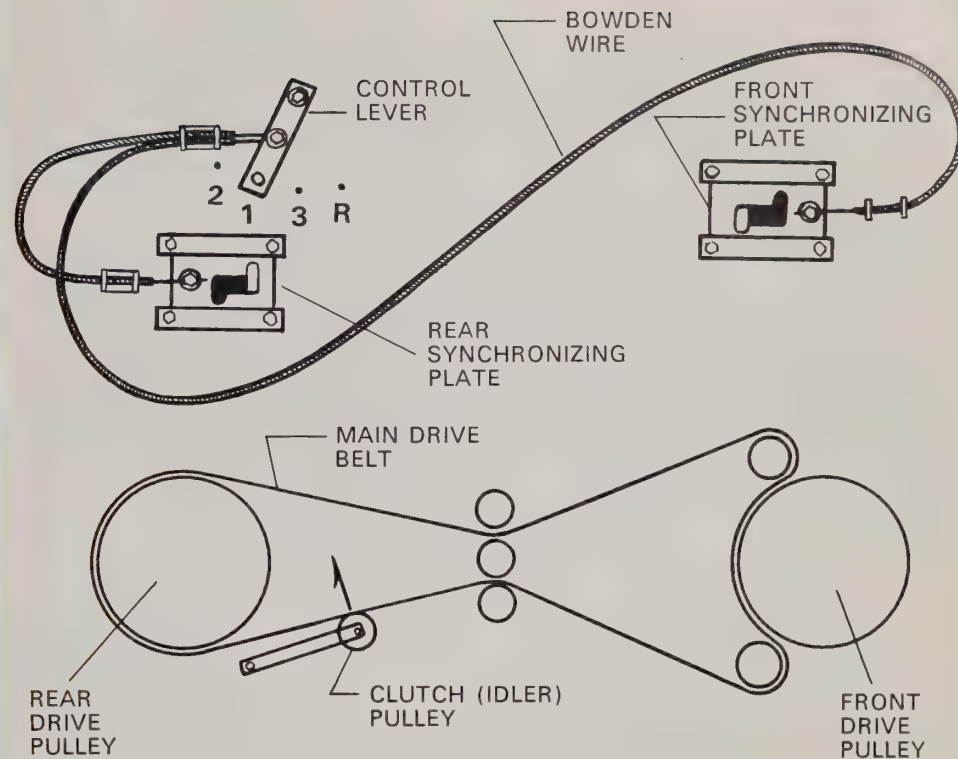
ASSEMBly

Assembly of the Mini-Beep requires no real mechanical skills and only the most common mechanic's hand tools. All special tools which are required for assembly are always included in the kit.

As pictured, you start by joining the two sections with the single, center-hinge pin. Then, bolt on the completely-assembled transaxles and install the band brake. When both transaxles are in place, the single, low maintenance main drive belt connects them with the high quality 7 HP engine mounted in the frame above.

Then, self-cleaning synchronizing plates are mounted over each transaxle shift lever and connected by an extra-strong, stainless steel bowden wire to the control lever. This lever synchronizes the two transaxle gear shifts and at the same time holds whatever gear combination the operator has selected. All shift positions are labeled on the floor of the machine so they may be easily assembled in the correct positions.

Finally, with the installation of the wheels, seat, steering wheel and hood, your Mini-Beep is complete. The only step left is to add gas and oil to the engine and drive away.



1. Shows the two electrically welded body sections joined in the center by a single pin. After this first step is accomplished, you have formed the complete structural frame of the unit.
2. The transaxles are bolted in place with heavy-duty U-bolts. The powerful band brake mechanism is installed at the same time.
3. Shows both transaxles installed. The single drive belt can be seen in position between the transaxles and the floor of the Beep.
4. The synchronizing plates are connected to the control lever behind the steering column as shown.



mini-beep

ATTACHMENTS



1. **BLADE** — 16" high, clears 42" strip when set straight ahead. Angles left or right with single pin connector. Comes complete with mounting equipment and lift mechanism. No. B-500. *59.95*
2. **TRAILER** — 48" x 30" x 12" all-steel box holds up to 1000 lbs. Attaches to Beep with a single pin. Dumps easily with simple catch which can be released from operator's seat. 16 x 4 pneumatic tires. No. T-3-4008. *69.95*
3. **SPREADER** — Uniformly spreads fertilizer, seed, etc. over 36" width. Holds up to 120 lbs. of fertilizer. Conveniently-located on-off control. Sturdy 13 x 2.50 semi-pneumatic tires on non-corrosive nylon bearings. No. A-36H-26.
4. **ROLLER** — Rolls out lumpy ground quickly and easily. Big cylinder (36" wide, 18" diameter) covers area in a hurry. Weighs 91 lbs. empty, 390 lbs. when filled with water. No. R-15. *44.95*
5. **MOWER** — Two 19" synchronized high lift steel blades cut grass smoothly and cleanly. Adjustable cutting height. Free-floating. Convenient lever for safe engaging or disengaging of blades. Cuts full 36" swath. No. RM-36 *124.95*
6. **SWEEPER** — Sweeps a 31" swath clean of leaves and grass into an 8½ bu. lift-out hamper. Pneumatic, cross-treaded tires and big rear swivel rollers for better "trailing". Folds for storage. No. BT-331B. *75.95*
7. **SPARE TIRE** — Added insurance with the look of its famous predecessor. Heavy duty, 16" diameter, 7½" wide tread. No. BT-100.
8. **REAR BUMPER & TOWING HITCH** — Required for use with all pulling-type attachments. No. RB-100.
9. **FRONT BUMPER** — Increases resemblance to W.W. II vehicle as it gives added protection to front grill. No. FB-300.

SPECIFICATIONS & DIMENSIONS

ENGINE — 7 HP Tecumseh with recoil start and single "choke-throttle-stop" control. Optional electric starting package available with model #MB750.

FRAME — Rugged 12 ga. electrically-welded all-steel sections joined in center by single pin.

TIRES — Heavy duty 16" diameter, $7\frac{1}{2}$ " wide tread — (16 x 7.50-8).

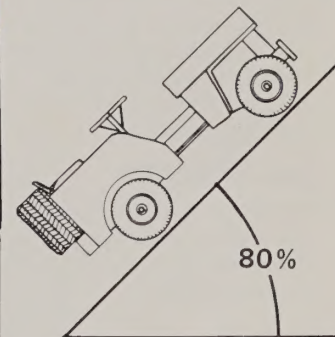
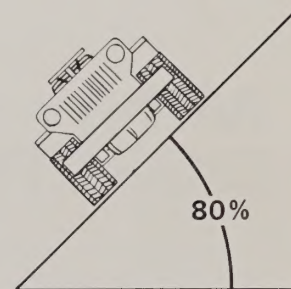
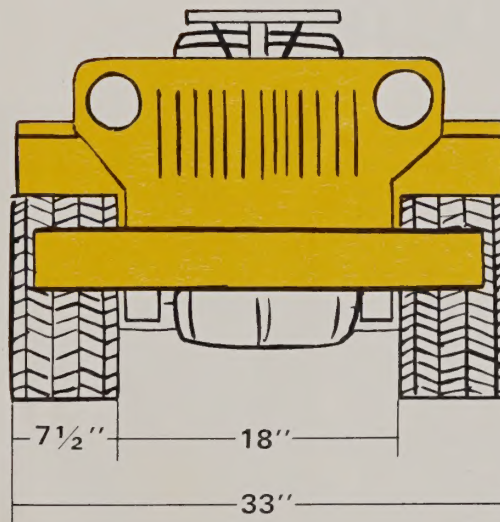
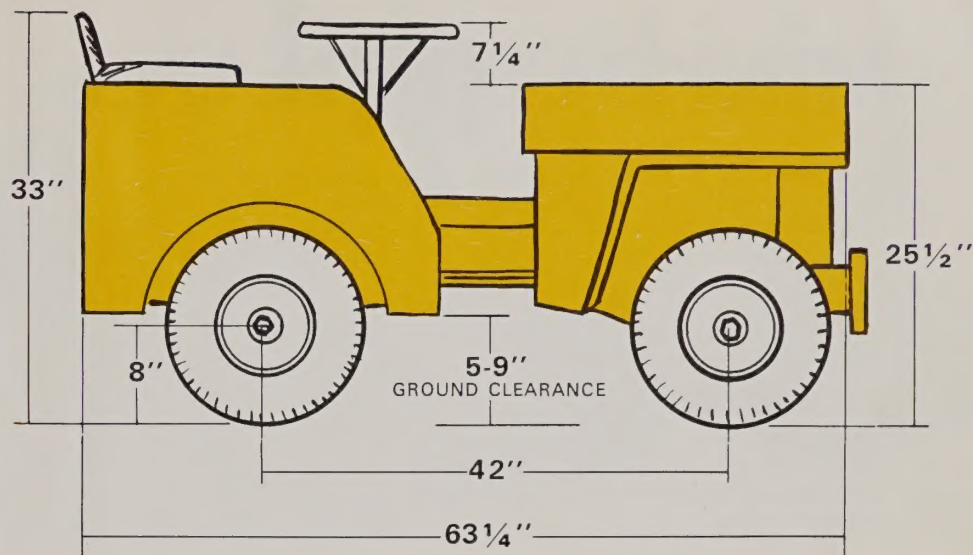
STABILITY — Will climb and negotiate around an approximately 80% grade (approx. 40°).

TRANSMISSIONS — Two completely-sealed, oil-filled, 4 speed transaxles.

BRAKE — Powerful band brake is part of double acting clutch mechanism.

SPEEDS — Range in four gears is 0-6.25 MPH.

WEIGHT — Shipping weight approx. 450 lbs.



mini-beep plans

A complete set of plans for building your own Mini-BEEP from locally-secured materials. Complete set of drawings (identical to those we use in our own production) plus detailed assembly instructions. You also get a complete parts list with low "factory-direct" prices on all parts you don't wish to fabricate yourself.

MB-700 PLANS \$5.00

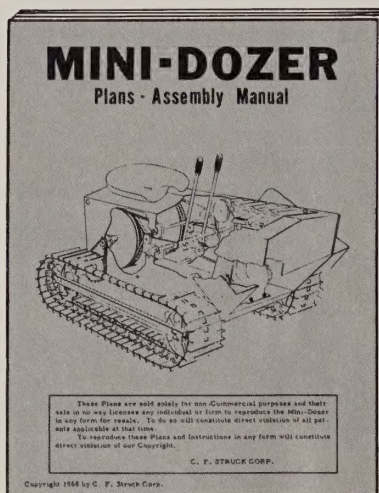
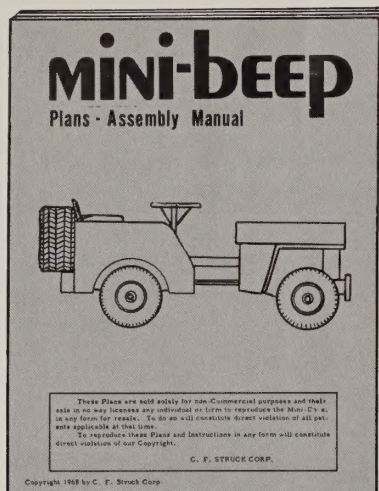
NOTE: If you wish, check plans over to see the high production standards we maintain. Complete cost of plans is deductible from kit purchase price.

MINI-DOZER® plans

This complete set of plans helps you build our other kit-type vehicle, the husky, continuous-track Mini-Dozer, from locally-available materials. Its 40 pages of drawings are also identical to our production line plans. You get, in addition, the complete parts list for any parts you'd rather buy than fabricate yourself.

MD-40 PLANS \$5.00

NOTE: If you wish, check plans over to see the high production standards we maintain. Complete cost of plans is deductible from kit purchase price.



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WARRANTY

For 90 days from purchase date, we will replace for the original purchaser, free of charge, any part or parts found upon examination at our factory to be defective under normal use and service on account of defects in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be borne by purchaser. This warranty does not cover engines, as these are covered in a warranty by the engine manufacturer through their regular distribution and service organization. This warranty shall not be effective if our equipment has been subjected to misuse or has been altered outside our factory in any respect which affects its operation. In addition, we reserve the right to make design and specification changes on future machines without notice and without obligation on our part to present owners.

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MINI-BEEP WARRANTY MINI-BEEP WARRANTY

mini-beep kits

Complete kit of parts. All components ready for assembly and finished with yellow baked enamel. Only minimum mechanical skill and common mechanic's tools are required for successful assembly. Any specialized tools necessary are furnished with the kit. Comes complete with 7 HP Tecumseh engine.

MB-700 MINI-BEEP, 4 WHEEL DRIVE, MANUAL SHAFT

MB-710 MINI-BEEP, 2 WHEEL DRIVE, MANUAL SHAFT

MB-750 MINI-BEEP, 4 WHEEL DRIVE, ELECTRIC START & LIGHTS

MB-760 MINI-BEEP, 2 WHEEL DRIVE, ELECTRIC START & LIGHTS

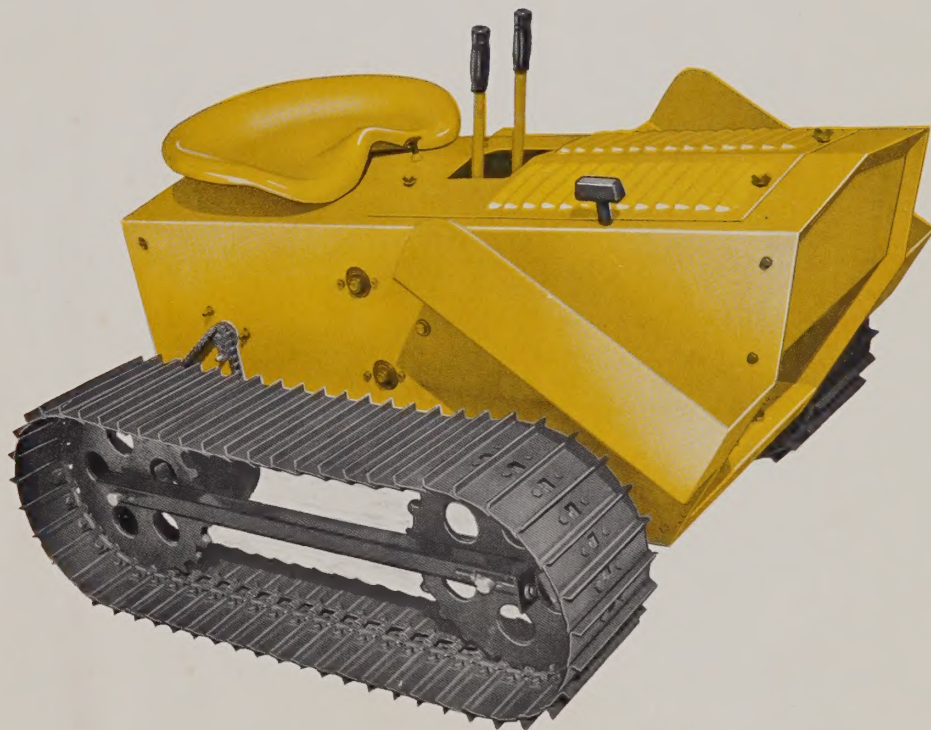
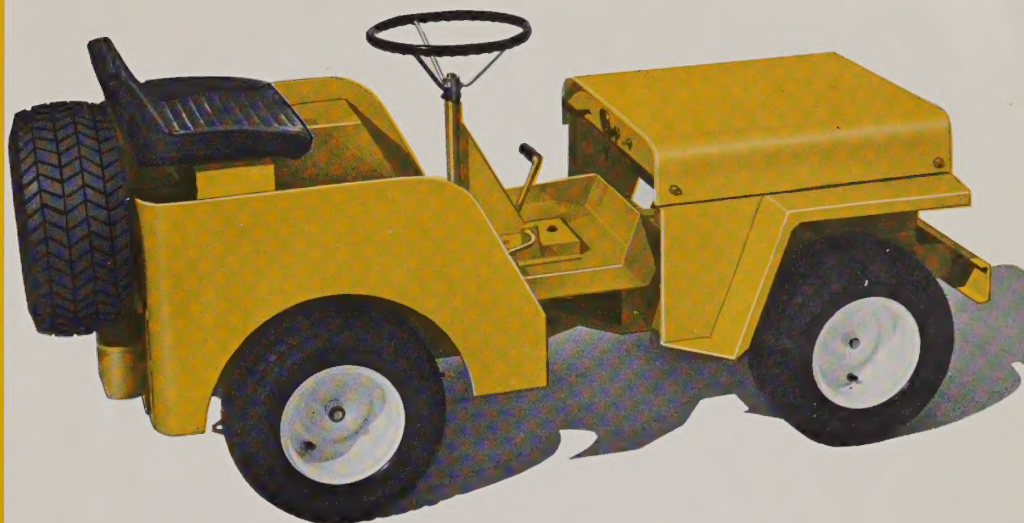
MINI DOZER[®] kits

Also available are complete kits of parts for the revolutionary new heavy-duty continuous-track garden tractor called the Mini-Dozer. All components ready for assembly and finished with yellow baked enamel on body and black enamel on wheels. Only basic mechanic's tools are necessary for successful completion. Any specialized tools required are furnished with the kit. Comes complete with 7 HP Tecumseh engine and your choice of cleated Dozer Track (illustrated) or smooth Lawn Track.

MD-40 MINI-DOZER (Medium duty)

MD-45 MINI-DOZER (Heavy duty)

(Complete descriptive catalog available for 50¢.)



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